

FIG. 3A

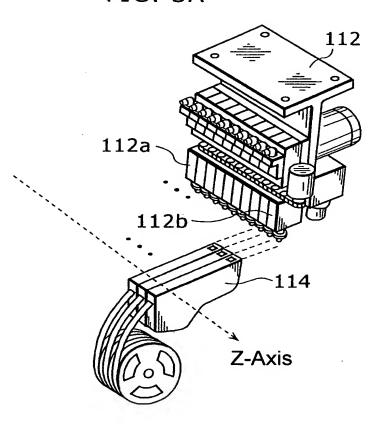


FIG. 3B

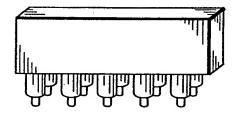


FIG. 11

Nozzle interchange time N (nozzle set number n=N+1)	Task number XN	Evaluated value S	
N=0	Xo	So	
N=1	X1	S1	
N=2	X2	S2	
	<u>:</u>	:	



Evaluation function:

 $S = X_N + h \cdot N$

h: a coefficient for converting a time taken by interchanging nozzles per time into a task number

FIG. 25A

Nozzle set

Nozzle set	1	2	3	4
1	S(6)	S(6)	S(6)	S(6)
2	S(1)	S(1)	M(1)	M(1)
3	M(1)	M(1)	M(1)	L(1)

FIG. 25B

Nozzle pattern 1 (Number of nozzles to be interchanged: 4)

Nozzle set	Task No.	H1	H2	НЗ	H4
1	1~6	<u>(S)</u>	<u>(S)</u>	<u>(S)</u>	<u>(S)</u>
. 2	·7	S	S	Ø	M
3	. 8	M	(D)	M	W

FIG. 25C

Nozzle pattern 2 (Number of nozzles to be interchanged: 6)

Nozzle set	Task No.	H1	H2	НЗ	H4
1	1~6	S	<u>(S)</u>	<u>S</u>	S
3	7	Ø	8	8	0
2	8	Ø	(A)	: ®	<u></u>

FIG. 25D

Nozzle pattern 3 (Number of nozzles to be interchanged: 6)

Nozzle set	Task No.	H1	H2	НЗ	H4
2	1	S	S	Ø	(
1	2~7	S	S	S	<u></u>
3	8		Ø	Ø	Q :

FIG. 49

		0603R SX	0603C	10050	SA	Stane R	
	1005C SA		Others	S&M		stane I	(q)
				•			
	Others		Σ	2			
3	מבו	32	S	. M	, u,		
1005	ပ	11	SA	10	4		İ
10	~	20	SA		3		
0603	C	12	SX	10	2	R	(a)
90	8	10	SX	<u>.</u>			
Component	type	Number of components	Nozzle type	Nozzle source	PG	Stage	